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*by*  
**ROBERT GARY ELLIS**

*on the invention entitled*

**PRACTICE DEVICE TO ENABLE CHILDREN  
TO SIMULATE SKATEBOARDING**

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# PRACTICE DEVICE TO ENABLE CHILDREN 2 TO SIMULATE SKATEBOARDING

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## BACKGROUND OF THE INVENTION

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### 1. Field of the Invention

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9       The present invention relates to the field of sporting goods and in particular, to  
10      skateboards. The present invention also relates to the field of practice devices which enable a  
11      child to learn how to use a skateboard.

12

### 14 2. Description of the Prior Art

15

16       In general, skateboards and other similar sporting goods such as skis are known in the  
17      prior art. The following 14 patents and published patent applications are the closest prior art of  
18      which the inventor is aware:

19

20       1. United States Patent No. 3,655,211 issued to Bollettieri on April 11, 1972 for  
21      “Double Bend Stave” (hereafter the “Bollettieri Patent”);

22

23       2. United States Patent No. 3,862,768 issued to England on January 28, 1975 for  
24      “Rollable Fulcrum Balancing Board Recreational And Exercise Device Provided With non-  
25      Linear Stabilization Features” (hereafter the “England Patent”);

26

27       3. United States Patent No. 4,270,764 issued to Yamada on June 2, 1981 for  
28      “Noisemaker For Skateboard” (hereafter the “Yamada Patent”);

- 1        4.      United States Patent No. 5,044,250 issued to Beyer on September 3, 1991 for  
2 "Drumstick With Sounding Pellets" (hereafter the "Beyer Patent");  
3
- 4        5.      United States Patent No. 5,267,743 issued to Smisek on December 7, 1993 for  
5 "Low Profile Skateboard" (hereafter the "Smisek Patent");  
6
- 7        6.      United States Patent No. 5,460,558 issued to Woodstock on October 24, 1995 for  
8 "Surfboard Foot Saddle" (hereafter the "Woodstock Patent");  
9
- 10       7.      United States Patent No. Des. 379,647 issued to Levinthal on June 3, 1997 for  
11 "Pair Of Ski" (hereafter the "Levinthal Patent");  
12
- 13       8.      United States Patent No. Des. 417,250 issued to Colin on November 30, 1999  
14 for "Gliding Board" (hereafter the "Colin Patent");  
15
- 16       9.      United States Patent No. 6,059,307 issued to Western on May 9, 2000 for  
17 "Skateboard Deck And Method For Making The Same" (hereafter the "Western Patent");  
18
- 19       10.     United States Patent No. US 6,290,249 B1 issued to Wolf on September 18, 2001  
20 for "Snow-Gliding Apparatus" (hereafter the "Wolf Patent");  
21
- 22       11.     United States Patent No. US D457,587 S issued to Wolf on May 21, 2002 for  
23 "Snow-Gliding Apparatus" (hereafter the "Wolf Patent");  
24
- 25       12.     United States Patent Application Publication No. US 2002/0121752 A1 by  
26 inventor Gille published on September 5, 2002 for "Snowskate And Snow Scooter" (hereafter  
27 the "Gille Patent");  
28

1           13.   United States Patent Publication No. US 2003/017832 A1 by inventor Sachs  
2 published on January 23, 2003 for "Recreational Balancing Apparatus" (hereafter the "Sachs  
3 Patent");

4  
5           14.   United States Patent No. US 6,543,769 B1 issued to Podoloff on April 8, 2003  
6 for "Snowboard Apparatus" (hereafter the "Podoloff Patent");

7  
8           The Bollettieri Patent discloses staves which are used as skis on snow and water. The  
9 staves have substantially equal bends at their front and rear ends. The device has several  
10 longitudinally extending grooves 17 which serve the purpose of skis.

11  
12          The England Patent discloses a rollable fulcrum and essentially is a device which is in the  
13 shape of a Mexican sombrero hat having a ball in the center on which the individual balances.  
14 This patent shows an exercise type device.

15  
16          The Yamada Patent discloses a noisemaker for use in conjunction with a skateboard but  
17 the noisemaking device does not consist of internal pebbles or sand within the structure of the  
18 device which makes noise as the device is moved across a carpet. This device basically creates  
19 noise through mechanical structures as illustrated.

20  
21          The Beyer Patent is a drumstick with sound pellets.

22  
23          The Smisek Patent is a low profile skateboard and the essential feature is having a recess  
24 to receive the wheels of the skateboard so that the skateboard rests much lower to the ground  
25 than conventional prior art skateboards. However, referring to Figure 4 it can be seen that the  
26 skateboard has front and back ends that are put at an angle to the horizontal portion of the board  
27 and the angle, however, is substantially less than 45 degrees.

1       The Woodstock Patent discloses a surfboard having a foot saddle to prevent the surfer  
2 from sliding off the back end of the board. Specifically referring to Column 2, line 30, the patent  
3 states "The foot saddle 10 consists of a structure 22 for maintaining one foot 24 of a surfer 26 in  
4 a stationary position upon the deck near the tail end of the surfboard and help prevent the  
5 surfer's foot 24 from inadvertently sliding off the surfboard."

6

7       The Levinthal Patent discloses a design for a ski. The design which can best be seen in  
8 Figure 5 in cross section shows having arcuately shaped extending upward front and rear ends  
9 and a generally upwardly extending arcuate shaped center section.

10

11       The Colin Patent is also a design patent for the shape of a gliding board.

12

13       The Western Patent discloses the concept of a skateboard deck and method for making  
14 the same. The patent does show the concept of having a horizontal center section and then  
15 having upwardly extending front and rear ends although the angle is only 18 degrees at one end  
16 and 15 degrees at the other end.

17

18       The Wolf Patent discloses a snow gliding apparatus which includes an elongated member  
19 having an intermediate portion positioned between a pair of upturned end portions. The end  
20 portions are rounded and do not have a sharp 45 degree angle. Further, there are a multiplicity  
21 of lower grooves 26 and 36.

22

23       The published Gille Patent Application discloses a snowskate and snow scooter.

24

25       The published Sachs Patent Application discloses a device which is a recreational  
26 balancing apparatus which comprises a frame defining a horizontal opening therein, and a

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1 balancing board mounted on a joint assembly.

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3       The Podoloff Patent discloses a snowboard apparatus which is a simulator for  
4 snowboarding and skateboarding.

5

6       None of the prior art patents teach a simple effective device for enabling children to learn  
7 how to use a skateboard in a safe and secure manner. There is a significant need for such an  
8 invention.

## SUMMARY OF THE INVENTION

The present invention is a practice device to enable children to simulate skateboarding in a safe manner so the children can practice sliding the practice device on a surface and balancing themselves on the device.

It has been discovered, according to the present invention, that a board made of plastic which has a flat and smooth lower surface and upturned front and rear ends provides a safe and effective device to enable children to simulate skateboarding on a smooth surface such as carpets, a lawn, dirt, sand and even a bed.

It has further been discovered, according to the present invention, that if the front and rear ends of the device are upturned at an angle between 30 degrees and 50 degrees to the horizontal with the preferred angle being 45 degrees, then the device will not flip over.

It has also been discovered, according to the present invention, that if the device further comprises a hollow interior which contains items such as beads or sand, the beads or sand will simulate a wave noise as the practice device is moved as the child plays and practices on the device.

It has additionally been discovered, according to the present invention, that if the top surface of the device comprises a lowered center section and a circumferential ridge running along the external circumference of the device on its top surface and extending inwardly to the lower section, then the child can place his/her feet transverse to the board so that the balls of the child's feet or the heels of the child's feet can connect with the exterior ridge portion so that the child gets a better grip on the board and this further assists the child in simulating skateboarding.

It is therefore an object of the present invention to provide a practice device which has a flat and smooth lower surface and an upturned front and rear surface, preferably at an angle between 30 degrees and 50 degrees to the horizontal at both the front and the rear end so that the device enables children to safely practice skateboarding while sliding the device on a smooth surface such as carpets, a lawn, dirt, sand, and even a bed.

7 It is a further object of the present invention to provide additional sound effects within  
8 the device so that the device simulates a wave motion to further provide additional enjoyment to  
9 the child as the child practices skateboarding on the practice device.

It is an additional object of the present invention to provide supporting balancing means on the upper surface of the practice device so that the child can place his or her feet transverse to the longitudinal upper surface of the device and obtain a more secure grip for the balls of the child's feet or the heels of the child's feet to further practice and simulate skateboarding.

16 Further novel features and other objects of the present invention will become apparent  
17 from the following detailed description, discussion and the appended claims, taken in  
18 conjunction with the drawings.

## **BRIEF DESCRIPTION OF THE DRAWINGS**

Referring particularly to the drawings for the purpose of illustration only and not limitation, there is illustrated:

FIG. 1 is a perspective view of the present invention practice device;

FIG. 2 is a top plan view of the present invention practice device;

FIG. 3 is a bottom plan view of the present invention practice device;

FIG. 4 is a left side view of the present invention practice device as viewed from the left side;

FIG. 5 is a side elevational view of the present invention practice device as viewed from the right side;

FIG. 6 is a front elevational view of the present invention practice device;

FIG. 7 is a rear elevational view of the present invention practice device;

FIG. 8 is a cross sectional view taken along line 8-8 of FIG. 1 of the present invention practice device; and

FIG. 9 is a perspective view of the present invention practice device showing a child standing his feet transverse to the present invention practice device so that the balls of the child's feet adjacent the intersection of the portion of the ridge and the lowered central surface.

1                   **DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS**  
2

3                   Although specific embodiments of the present invention will now be described with  
4 reference to the drawings, it should be understood that such embodiments are by way of example  
5 only and merely illustrative of but a small number of the many possible specific embodiments  
6 which can represent applications of the principles of the present invention. Various changes and  
7 modifications obvious to one skilled in the art to which the present invention pertains are  
8 deemed to be within the spirit, scope and contemplation of the present invention as further  
9 defined in the appended claims.

10                  Referring to Figures 1 through 7, there is shown at 10 the present invention practice  
11 device. In the preferred embodiment, the practice device is generally elongated with a top  
12 surface 12 having a depressed or lowered section 14 in the interior portion of the upper surface  
13 12 and a circumferential ridge 16 which extends along the entire upper surface 12 and extends  
14 inwardly from the exterior edge until it joins the lowered section 14. A short vertical wall 18 is  
15 created between the interior edges of the ridge 16 and the lower section 14. While in the  
16 preferred embodiment the ridge extends along the entire circumference as shown in Figure 1, it  
17 is also within the spirit and scope of the present invention to have the ridge 16 only extend along  
18 at least a portion of the lengthwise edges of the upper surface of the device 10.  
19

20                  Referring to Figure 2, the device has a first lengthwise edge 20, and a parallel and  
21 oppositely disposed second lengthwise edge 22, a front or first widthwise edge 24 and a second  
22 or rear widthwise edge 26.  
23

24                  Referring to the bottom plan view of Figure 3, it can be seen that the lower surface of the  
25 device 30 is completely smooth and flat. This can also be seen by looking at the side views of  
26  
27

1 Figures 4 and 5. The center section of the lower surface 32 is completely flat and is bounded by  
2 the center portion lengthwise edges 20 and 22. As shown in Figures 4 and 5, the front edge 24  
3 and the rear edge 26 are upturned from the lower surface 30. The preferred angle for both the  
4 front and rear edges are 45 degrees as shown in Figures 4 and 5. However, it is within the spirit  
5 and scope of the present invention to have the angle extend between 30 degrees and 50 degrees  
6 with 45 degrees being the preferred angle.

7

8       The lower surface of the front upturned section is 34 and the lower surface of the rear  
9 upturned section is 36 are also smooth. It is apparent from viewing Figures 3 through 5 that the  
10 lower surface 30 is entirely smooth and flat with no ridges or bumps and the lowermost  
11 lengthwise portion of the surface 32 is completely flat and smoothly extends into lower surface  
12 34 and lower surface 36 so that as the device is slid along a surface, the device can be tilted  
13 upwardly so that surface 34 extends on the bottom of the ground or is tilted rearwardly so that  
14 surface 36 extends on the bottom of the ground to thereby simulate skateboarding.

15

16       In one embodiment, the entire device is made of a solid piece of material. In an  
17 alternative embodiment, the interior of the device 40 has one or more hollow sections such as  
18 section 42 as illustrated in Figure 8, which hollow section 42 contains noisemaking devices 44  
19 such as beads, pebbles, or sand. The hollow section 42 can run the entire length of the center  
20 portion of the device or it can also run for a portion of the length of the center portion of the  
21 device, or there can be several separated hollow sections within the center portion of the device.  
22 Also, it is within the spirit and scope of the present invention to have the hollow section run on  
23 the front portion of the device bounded by front edge 24 or within the rear portion of the device  
24 bounded by rear edge 26.

25

26       In practice, a child can place on of his/her feet on the upper surface of the device 10 such

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1 as lowered section 14 and push along the surface of the ground with his/her other foot to cause  
2 the practice device 10 to move. When pushed in one direction, the device moves forwardly and  
3 when pushed in the other direction, the device moves rearwardly. The device can also be caused  
4 to move side to side.

5

6       The child can also place his/her feet transverse to the lengthwise edge of the upper  
7 section as illustrated in Figure 9. In this manner, the balls of the child's feet can rest at the  
8 vertical wall 18 at the intersection of the lower section 14 and the ridge 16 to provide better  
9 traction and balance as a child moves the board with body motions to simulate skateboarding.  
10 Alternatively, the rear of the child's feet can rest at the intersection wall 18 where the lower  
11 section 14 meets the ridge 16.

12

13       Because of the flat surface 30, and especially center section 32, the practice device 10  
14 can easily slide on any type of reasonably smooth surface such as grass, carpet, a wood floor, a  
15 linoleum floor, dirt, and even a bed. The fact that the lower portion 34 of the front section and  
16 the lower portion 36 of the rear section are also flat and smooth can also facilitate the board  
17 being ridden on these surfaces as well to further simulate a skateboard. In addition, the lowered  
18 center section 14 and the ridge 16 provide better traction and security for the child to safely  
19 move on the board and to practice skateboarding. The fact that the front edge 24 and the rear  
20 edge 26 are each extended at an angle above the lower surface of approximately 45 degrees  
21 prevents the practice device 10 from flipping over to provide additional safety to the child.  
22 While 45 degrees is the preferred angle, an angle between 30 degrees and 50 degrees are within  
23 the spirit and scope of the present invention for the front portion and also for the rear portion  
24 relative to the center section.

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26       The optional feature of having one or more hollow interior compartments within the

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1 practice device which house noisemaking devices such as beads, pebbles or sand adds further  
2 enjoyment to the child as motion of the board will simulate a wave motion noise.

3

4 In the preferred embodiment, the practice device 10 is manufactured out of any one or  
5 more of conventional plastic material such as polyethylene and polypropylene or polyvinyl. It is  
6 also within the spirit and scope of the present invention to make the practice device out of any  
7 other type of safe structural material such as wood or metal or even strong cardboard or  
8 styrofoam. However, plastic or any one of the plastic derivatives is the preferred material out of  
9 which the board is made as the device can then be easily molded.

10

11 It is also within the spirit and scope of the present invention to have the device made of  
12 more than one material such as the center section on the top being made of one type of material  
13 and the ridge and exterior circumferential section composed of the ridge being made of another  
14 piece of material.

15

16 Further, to add additional traction, one or more grip pads 46 can be placed on the lowered  
17 section 14 of upper surface 12 so that the feet can be placed on the grip pads 14 to add more  
18 traction. While only one grip pad 14 is illustrated in Figure 9, it will be appreciated that the  
19 lower surface 14 can have a grip pad or there can be a multiplicity of separated smaller grip pads  
20 along the lower surface 14.

21

22 It is also within the spirit and scope of the present invention to have the grip pads on the  
23 one or more portions of the ridge as illustrated in Figure 9 where grip pad 48 is on a portion of  
24 the ridge 16.

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Defined in detail, the present invention is a practice device to simulate skateboarding, comprising: (a) an elongated structure having a center section, a front section and a rear section, with the three sections having an adjoining upper surface and an adjoining lower surface; (b) the center section having a lower surface which is a smooth surface; (c) the front section extending at a 45 degree angle to the center section and the rear section extending at a 45 degree angle to the center section; (d) the upper surface of all three sections having a lowered interior area and a circumferential ridge extending along the circumference of the upper surface and extending inwardly such that a vertical wall is formed at the intersection of the interior portion of the circumferential ridge and the lowered interior area; and (e) the structure having at least one interior hollow chamber containing noisemaking material within the chamber.

Defined broadly, the present invention is a practice device to simulate skateboarding, comprising: (a) an elongated structure having a center section, a front section and a rear section, with the three sections having an adjoining upper surface and an adjoining lower surface; (b) a center section having a lower surface which is a smooth surface; (c) a front section extending at a 45 degree angle to the center section and the rear section extending at a 45 degree angle to the center section; and (d) an upper surface of all three sections having a lowered interior area and a circumferential ridge extending along the circumference of the upper surface and extending inwardly such that a vertical wall is formed at the intersection of the interior portion of the circumferential ridge and the lowered interior area.

Defined more broadly, the present invention is a practice device to simulate  
skateboarding, comprising: (a) an elongated structure having a center section, a front section and  
a rear section, with the three sections having an adjoining upper surface and an adjoining lower  
surface; (b) the center section having a lower surface which is a smooth surface; (c) the front  
section extending at an angle between 30 degrees and 50 degrees to the center section and the

1 rear section extending at an angle between 30 degrees and 50 degrees to the center section; and  
2 (d) the upper surface of all three sections having a lowered interior area and a ridge extending  
3 along at least a portion of the circumference of the upper surface and extending inwardly such  
4 that the ridge adjoins the lowered interior area.

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6        Of course the present invention is not intended to be restricted to any particular form or  
7 arrangement, or any specific embodiment, or any specific use, disclosed herein, since the same  
8 may be modified in various particulars or relations without departing from the spirit or scope of  
9 the claimed invention hereinabove shown and described of which the apparatus or method  
10 shown is intended only for illustration and disclosure of an operative embodiment and not to  
11 show all of the various forms or modifications in which this invention might be embodied or  
12 operated.

13

14        The present invention has been described in considerable detail in order to comply with  
15 the patent laws by providing full public disclosure of at least one of its forms. However, such  
16 detailed description is not intended in any way to limit the broad features or principles of the  
17 present invention, or the scope of the patent to be granted. Therefore, the invention is to be  
18 limited only by the scope of the appended claims.

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20        **WHAT IS CLAIMED IS:**

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